ORIGINAL

LAW OFFICES
HALEY BADER & POTTS P.L.C.
4350 NORTH FAIRFAX DR., SUITE 900
ARLINGTON, VIRGINIA 22203-1633
TELEPHONE (703) 841-0606
FAX (703) 841-2345
E-MAIL: haleybp@haleybp.com

JOHN CRIGLER

DOCKET FILE COPY ORIGINAL

OUR FILE NO.
0764-101-63

June 5, 1996

RECEIVED
JUN 5 1996
Federal Communications Commission
Office of Secretary

Mr. William F. Caton
Acting Secretary
Federal Communications Commission
1919 M Street, N.W., Room 222
Washington, D.C. 20554

Re: Petition For Rule Making
FM Table of Attotments
Coalville and Salt Lake City, Utah

Dear Mr. Caton:

Transmitted herewith, on behalf of community Wireless of Park City, Inc. are the original and four copies of a Petition For Rule Making. The Petition proposes the amendment of the FM Table of Allotments to delete Channel 223A from Coalville, Utah, to add channel 223A to Salt Lake City, Utah, and to authorize Community Wireless of Park City, Inc. to modify the license of Stations KCUA, Coalville to specify operation on Channel 202 and the license of Station KCPW, Salt Lake City, to specify operation on Channel 223A.

Please refer any questions concerning this matter directly to this office.

Respectfully submitted,

John Crigler

JC:dh
Enclosure

No. of Copies rec'd 0+4
List ABCDE MMB

ORIGINAL

Before The

Federal Communications Commission

Washington, D.C. 20554

In The Matter Of	)	
Amendment of Section 73.202(b)	)	
Table of Assignments	)	
Radio Broadcast Stations	)	
Coalville and Salt Lake City, Utah	)	RM ----
	)	
	)	
	)	

TO: Chief, Policy and Rules Division
Mass Media Bureau

PETITION FOR RULE MAKING

Community Wireless of Park City ("CWPC"), by its attorneys, and pursuant to Section 1.401 and 73.202 of the Commission's Rules, respectfully requests the Commission to modify its FM Table of Allotments by adding Channel 223A at Salt Lake City, Utah, deleting Channel 223A at Coalville and authorizing CWPC to modify the licenses of Station KCUA, Coalville, Utah and KCPW, Salt Lake City, Utah to exchange the channels on which they operate.

DISCUSSION

1. CWPC is the licensee of three noncommercial educational FM stations: KPCW, which operates on noncommerical Channel 220 (91.9 MHz) at Park City, Utah; KCPW, which operates on Channel 202 (88.3 MHz) at Salt Lake City, Utah; and KCUA, which operates on a noncommercial basis on commercial Channel 223 (92.5 MHz) at Coalville, Utah. KCUA operates as a "satellite" of KPCW and rebroadcasts KPCW programming.

2. All three stations are now restricted to very limited facilities. KPCW operates with an effective radiated power ("ERP") of 105 watts at 3 meters height above average terrain ("HAAT"). KCPW operates with an ERP of 750 watts at *minus* 178 meters HAAT. KCUA operates with 110 watts at *minus* 313 meters HAAT. CWPC would like to upgrade the three stations to provide better service to their collective service areas.

3. CWPC has exhaustively explored other avenues of improving service on the stations. In June, 1994, CWPC filed an application (BPED-940613IF) to relocate the transmitter site and increase the ERP of KCUA. This application would substantially increase KCUA's coverage, but would short-space and cause prohibited contour overlap to third adjacent channel KPCW. In addition, because of terrain shadowing, the upgrade would not deliver service to some 1,500 persons who currently receive the KPCW signal. To preserve existing service, CWPC proposed to modify the channel on which KPCW operates (BPED-950306MC). By letter dated July 12, 1995 (Ref. 1800B3-DCD), Commission staff returned the application to modify KPCW on grounds that CWPC had not sufficiently justified a requested waiver of prohibited "doughnut" interference that would be created. In response, CWPC sought reconsideration of the return of the KPCW application. That reconsideration request is pending. By letter dated October 2, 1995, the Commission also questioned whether the KCUA and KPCW applications violated the rule prohibiting "contingent applications." In response, CWPC amended the KPCW application to assert that upon commencing operation with the improved KCUA facilities, it would surrender the license for KPCW. CWPC is strongly of the opinion that the deletion of

KPCW and the resulting loss of service to existing KPCW listeners would not serve the public interest.

4. After further engineering analysis and informal consultation with Commission staff, CWPC has concluded that the instant rule making proposal offers an effective alternative means of improving the services CWPC delivers. As set forth in the attached Engineering Statement, all three CWPC stations could be significantly improved if Channel 223 were allotted to Salt Lake City and the licenses of KCUA and KCPW were modified to exchange the frequencies on which they operate. Such a frequency exchange would permit KCUA to be upgraded on Channel 202 at Coalville without causing prohibited overlap to KPCW. KCPW could be improved on Channel 223A at Salt Lake City; and KPCW could not only continue to operate on Channel 220A at Park City, but could be upgraded without causing prohibited overlap to KCUA or other stations.

5. CWPC requests that its proposal to swap Channel 223A for Channel 202A at Salt Lake City and to modify the KCUA license to specify operation on Channel 202A at Coalville, be treated as an "incompatible channel swap" and be protected from competing expressions of interest. Section 1.420(g)(3) permits licensees or permitees of FM stations operating on allotted channels to upgrade their facilities on higher class adjacent or co-channel frequencies. In adopting the rule, the Commission also agreed to consider "variations of the rule" on a case-by-case basis to determine whether the rationale for the rule applied to the given factual circumstances. As an example of an acceptable variation, the Commission offered the following scenario: a

Class A licensee operating on Channel 240A proposes to upgrade to Channel 271C2 and to exchange channels with a licensee operating on Channel 270A in another community. The Commission regarded this scenario "as consistent with the rationale for permitting adjacent channel upgrades because Channel 271C2 is not available in the *Ashbacker* sense for application by other interested parties . . ." *Modification of FM Broadcast Licenses*, 60 RR 2d 114, 120 (1986). Compare *Memorandum Opinion and Order*, DA 96-175 (MMB 1996) (granting proposal to substitute Channel 265 C3 for Channel 225A at Utica, Mississippi, Channel 225A for Channel 265 at Hazelhurst, Mississippi, and Channel 267A for Channel 266A at Vicksburg, Mississippi).

6. The same rationale applies to the present factual circumstances. By allotting Channel 223A to Salt Lake City and authorizing modification of the KCUA and KCPW licenses to specify operation on the exchanged channels, the Commission will enable both of these stations, as well as KPCW in Park City, to be upgraded. Neither of the channels involved in the swap is available for application "in the *Ashbacker* sense." As shown in the attached Engineering Statement, Channel 223 cannot be allotted to Salt Lake City so long as KCUA continues to operate on Channel 223 at Coalville. The proposed substitution of channels is thus "incompatible" in that only CWPC may use the allotments proposed in the swap. In these circumstances, it would unnecessarily place CWPC's authorizations at risk to entertain competing applications for the proposed change in the Table of Allotments. See, *Further Notice, supra*, 4 FCC Rcd at 14816. The present case is distinguishable from the situation in *Report and Order*, 8 FCC

Rcd. 4086 (MMB 1993), where one of the channels proposed for substitution was available for general application.

Accordingly, CWPC requests that the Commission modify the FM Table of Allotments as follows:

City	Channel No. Present	Channel No. Proposed
Coalville, Utah	223	-----
Salt Lake City, Utah	227C, 231C, 246C, 254C, 262C, 278C, 282C	223A, 227C, 231C, 246C, 254C, 262C, 278C, 282C

In addition, CWPC requests that the Commission modify the license of KCUA to specify operation on Channel 202 and the license of KCPW to specify operations on Channel 223A.

Respectfully submitted,

COMMUNITY WIRELESS OF PARK CITY

By: _____
John Crigler
Its Attorney

HALEY BADER & POTTS P.L.C.
Suite 900
4350 North Fairfax Drive
Arlington, VA 22203-1633
703/841-0606

June 5, 1996

ORIGINAL

TELECOMMUNICATIONS ENGINEERING

GRAY FRIERSON HAERTIG & ASSOC.

820 NORTH RIVER STREET, SUITE 100

PORTLAND, OREGON 97227

503-282-2989

503-654-1142

FACSIMILE

503-282-3181

ENGINEERING REPORT IN SUPPORT OF A PETITION FOR RULE MAKING

Prepared for

COMMUNITY WIRELESS OF PARK CITY, INC.

24 May 1996

Background

Community Wireless of Park City, Inc. ("CWPC"), a not-for-profit corporation, is licensee of KPCW, Channel 220A, Park City, UT; KCPW, Channel 202A, Salt Lake City, UT; and KCUA, Channel 223A, Coalville, UT. All three stations are operated as non-commercial FM Broadcast services.

The proximity of the KPCW and KCUA transmitter sites, and the third channel adjacency of the stations has effectively precluded either station from upgrading its facility. In an effort to improve service, CWPC filed an application in June 1994 to upgrade the facilities of KCUA and surrender the license of KPCW. However, subsequent engineering analysis revealed that, because of terrain shadowing, approximately 1,500 people who currently receive the signal of KPCW would not receive adequate service from the upgraded KCUA facilities.

In order to correct this problem, CWPC proposed to modify KPCW by changing channels (BPED-950306MC) and sought a waiver of the Commission's rules to permit it to cause a small amount of "doughnutting" interference to another non-commercial station. The Commission subsequently returned this application, and the CWPC has sought reconsideration in this matter.

After further engineering analysis and discussions with Commission staff, CWPC has identified another approach to upgrading the facilities of all three of its stations without causing any loss of service and without violating any Commission rule. As outlined herein, this approach is to exchange the frequencies on which KCPW and KCUA operate and to modify their respective licenses accordingly.

If the *instant* Petition for Rule Making is granted, the petitioner will dismiss its application to upgrade the facilities of KCUA, its pending application to modify KPCW, and its petition for reconsideration of this application.

Proposed Rule Making

The petitioner seeks to swap the frequencies of two of its stations, KCUA and KCPW. If the proposed frequency swap is granted, KCUA would operate non-commercially on Channel 202 at Coalville, UT, and KCPW would operate non-commercially on Channel 223A at Salt Lake City, UT. Because Channel 223 is not reserved for non-commercial use, the Commission's Table of Allotments, 47 CFR §73.202(b), must be amended to add Channel 223A at Salt Lake City, UT, and to delete Channel 223A at Coalville, UT. Furthermore, the petitioner requests that the license of KCUA be modified to specify operation on Channel 202 and the license of KCPW be modified to specify operation on Channel 223A.

This engineering report will demonstrate that:

1) KCPW can operate on Channel 223A and meet the separation requirements of 47 CFR §73.207(b)(1), and the coverage requirements of 47 CFR §73.315(a);

2) Channel 223A can be allotted to Salt Lake City, UT, only if KCUA changes frequency;

3) KCUA can operate on Channel 202A and meet the contour protection criteria of 47 CFR §73.509(a) and provide coverage at least equivalent to that of its current facilities;

4) No other reserved channel at Salt Lake for Channel 202A would allow operation which equals or exceeds the coverage provided by KCPW on Channel 202;

5) The facilities of all three of the petitioner's stations can be significantly upgraded if the proposed frequency swap is allowed.

KCPW Channel 223A Allocation and Coverage

The petitioner proposes operation at 40° 44' 00" N. Lat., 111° 53' 00" W. Lon. for purposes of amending the Commission's Table of Allotments. A computerized allocation study specifying Class A operation on Channel 223 at this location was done by Communications Data Service of Falls Church, VA, using the Commission's FM Engineering database dated 15 May 1996. The separation criteria of 47 CFR §73.207(b)(1) were used to study the relationship of the proposed allocation to existing domestic allocations, assignments and applications on the seven

channels from 220 to 226. Included below is a copy of the results of this allocation analysis.

This study demonstrates that the proposed allocation meets all of the applicable separations, except to the current KCUA facilities and those proposed in the pending application to modify these facilities.

Gray Frierson Haertig & Assoc. Page 1
Portland, OR May 22, 1996

Constraints Study FM Channel 223A

Title: Community Wireless of Park City, Inc. Latitude: 40-44-00
Reference City: Salt Lake City, UT Longitude: 111-53-00
Translators Are Not Included FCC Database: 960515

Call / City of License	Auth	Licensee Name / St FCC File No.	Chan / Freq	ERP-kW / EAH-m	Latitude / Longitude	Az-to / -from	Dist (km)	Req (km)
KPCW	LIC	Community Wireless of	*220A	.105	40-40-59	100.3	31.02	31
Park City		UT BLED-910430KC	91.9	3	111-31-20	280.5	0.02	CLOSE
*To channel 203								
	USED		221A		40-31-51	237.3	41.61	31
Tooele		UT	92.1		112-17-50	57.1	10.61	CLEAR
KTLEFM	LIC	Local Broadcasters, I	221A	1.35	40-31-50	237.3	41.63	31
Tooele		UT BLH-920117KA	92.1	-232	112-17-50	57.0	10.63	CLEAR
KTCE	LIC	Moenkopi Communicatio	222A	.058	40-03-20	176.5	75.40	72
Payson		UT BLH-931126KE	92.3	659	111-49-43	356.5	3.40	CLOSE
	USED		222A		40-02-30	170.5	77.87	72
Payson		UT	92.3		111-43-54	350.6	5.87	CLEAR
# 58 Docket: 84-231								
KCUA	APP	Community Wireless of	223C2	0.43	40-51-18	68.2	36.71	166
Coalville		UT BPED-940613IF	92.5	813	111-28-44	248.5	-129.3	SHORT
Commercial channel operating educational-One-Step Application From Channel 223A								
KCUA	LIC	Community Wireless of	223A	.110	40-54-58	63.5	45.84	115
Coalville		UT BLED-940121KD	92.5	-313	111-23-46	243.8	-69.16	SHORT
*To channel 223C2 Per One-Step Application 940613IE-Commercial channel operating educational								

Gray Frierson Haertig & Assoc. Page 2
Portland, OR May 22, 1996
Constraints Study FM Channel 223A

Title: Community Wireless of Park City, Inc. Latitude: 40-44-00
Reference City: Salt Lake City, UT Longitude: 111-53-00
Translators Are Not Included FCC Database: 960515

Call / City of License	Auth / St	Licensee Name / FCC File No.	Chan / Freq	ERP-kW / EAH-m	Latitude / Longitude	Az-to / -from	Dist (km)	Req (km)
	USED		223A		40-51-14	74.7	51.40	115
Coalville	UT		92.5		111-17-43	255.0	-63.60	SHORT
SITE RESTRICTED-EFFECTIVE 8-6-87 Docket: 86-412								
	VACANT		223C2		41-04-17	60.4	76.79	166
Coalville	UT		92.5		111-05-18	240.9	-89.21	SHORT
RSVD For KCUA Per One-Step Application 940613IE								
KKMV	LIC	Tri-Market Radio Broa	223C	24.0	42-20-03	321.8	228.51	226
Rupert		ID BLH-941114KB	92.5	756	113-36-12	140.6	2.51	CLOSE
	USED		223C		42-20-06	321.8	228.64	226
Rupert		ID	92.5		113-36-16	140.6	2.64	CLOSE
Site Restricted-Effective 7-12-93-Reserved for KNAQ per D93-15								
KBLQFM	CP	Sun Valley Radio, Inc	225C1	55.0	41-52-18	2.8	126.58	75
Logan		UT BPH-940203IB	92.9	66	111-48-31	182.8	51.58	CLEAR
From Channel 225C2 per One-Step Process								
	USED		225C1		41-52-18	2.8	126.58	75
Logan		UT	92.9		111-48-31	182.8	51.58	CLEAR
RSVD For KBLQFM Per One-Step Application 940203IB								

End of Constraints Study FM Channel 223A

Attached is a coverage map showing the relationship of the 70 dBμ contour for operation at this site with 6 kilowatts at 100 meters HAAT, and the city limits of Salt Lake City, UT. This map demonstrates that the proposed allocation meets the coverage requirements of 47 CFR §73.315(a).

Availability of Channel 223 at Salt Lake City

Attached below is a map exhibit illustrating the required separations for operation of a Class A station on Channel 223 at Salt Lake City. Each of the circles represents the distance that the transmitter site for a Class A station on Channel 223 must be from

the respective station's transmitter site. The center of the map is at the location proposed above.

The map clearly shows the small triangular area, defined by the circles for KPCW, KTLE, KTCE, and KKMV, which meets the separation requirements to these stations. The location proposed above is within that area. The map also demonstrates that this area is completely encompassed by the KCUA circle. Therefore, Class A operation on Channel 223 is precluded in the Salt Lake City area by the operation of KCUA on Channel 223. Indeed, the closest location that meets the separation requirements to all five of these stations is over 50 kilometers to the ESE, well beyond the reference contour for Class A operation.

KCUA Channel 202A Allocation and Coverage

A computerized allocation study specifying operation on Channel 202 with 0.11 kw ERP and -313 meters HAAT at 40° 54' 58" N. Lat., 111° 23' 46" was done by Communications Data Service of Falls Church, VA, using the Commission's FM Engineering database dated 15 May 1996. This is the location, power and HAAT specified in KCUA's license. The prohibited contour overlap criteria of 47 CFR §73.209(a) were used to study the relationship of the proposed allocation to existing domestic allocations, assignment and applications on the six channels from 200 to 205. Included below is a copy of the results of this allocation analysis.

This study demonstrates that the proposed allocation meets all the applicable contour protection standards except as regards the operating facilities of KCPW whose frequency this petition seeks to change, and the petitioner's application to upgrade the facilities of KPCW, which it proposes to dismiss.

Because the facilities specified in this study are the same as the licensed facilities of KCUA, excepting frequency, the amended allocation is capable of providing service at least equivalent to the existing KCUA service.

Mr. Gray Haertig
Portland, OR

Page 1
May 23, 1996

Constraints Study FM Channel 202A

Title: Community Wireless of Park City, Inc. Latitude: 40-54-58
Reference City: Coalville, UT Longitude: 111-23-46
Translators Are Not Included FCC Database: 960515
Audit File: fms05236.A01 ERP: 0.1 kW; HAAT:-312.6 m

Call / City of License	Auth / St	Licensee Name / FCC File No.	Chan / Freq	ERP-kW / EAH-m	Latitude / Longitude	Az-to / -from	Dist (km)	Req (km)
KWCRFM	CP	Weber State College	*201A	3.00	41-11-17	303.5	55.17	25
Ogden	UT	BPED-930806JA	88.1	-101	111-56-43	123.1	30.43	CLEAR
Proposed F(50,50)	54.0 dBu =	8.20 km; KWCRFM	F(50,50)	60.0 dBu =	13.22 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KWCRFM	F(50,10)	54.0 dBu =	18.96 km			
KWCRFM	APP	Weber State College	*201A	2.0	41-11-17	303.5	55.17	23
Ogden	UT	BPED-950814IA	88.1	-96	111-56-43	123.1	32.35	CLEAR
Proposed F(50,50)	54.0 dBu =	8.20 km; KWCRFM	F(50,50)	60.0 dBu =	12.00 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KWCRFM	F(50,10)	54.0 dBu =	17.04 km			
KWCRFM	LIC	Weber State College	*201A	.130	41-11-30	303.9	55.27	14
Ogden	UT	BLED-811211AC	88.1	-143	111-56-37	123.5	40.92	CLEAR
Proposed F(50,50)	54.0 dBu =	8.20 km; KWCRFM	F(50,50)	60.0 dBu =	6.01 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KWCRFM	F(50,50)	54.0 dBu =	8.58 km			
KCPI	LIC	Alpine School Distric	*201A	.115	40-21-48	204.4	67.39	14
Pleasant Grove	UT	BLED-810914AE	88.1	-344	111-43-30	24.2	53.32	CLEAR
Proposed F(50,50)	54.0 dBu =	8.20 km; KCPI	F(50,50)	60.0 dBu =	5.84 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KCPI	F(50,50)	54.0 dBu =	8.30 km			
KCPI	APP	Alpine School Distric	*201A	1.25	40-21-48	204.4	67.39	21
Pleasant Grove	UT	BPED-950719ME	88.1	-864	111-43-30	24.2	46.64	CLEAR
Proposed F(50,50)	54.0 dBu =	8.20 km; KCPI	F(50,50)	60.0 dBu =	10.73 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KCPI	F(50,50)	54.0 dBu =	14.98 km			
Amended 960405								
KCPW	LIC	Community Wireless of	*202A	0.75	40-45-33	244.6	40.53	38
Salt Lake City	UT	BLED-921123KE	88.3	-179	111-49-48	64.3	2.46	CLOSE
Proposed F(50,10)	40.0 dBu =	19.09 km; KCPW	F(50,50)	60.0 dBu =	9.45 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KCPW	F(50,10)	40.0 dBu =	32.30 km			
KPCW	APP	Community Wireless of	*203A	.085	40-36-34	191.8	34.79	42
Park City	UT	BPED-950306MC	88.5	647	111-28-49	11.7	-7.30	SHORT
Proposed F(50,50)	54.0 dBu =	8.20 km; KPCW	F(50,50)	60.0 dBu =	25.75 km			
Proposed F(50,50)	60.0 dBu =	5.77 km; KPCW	F(50,10)	54.0 dBu =	36.32 km			
From channel 220-Returned 950712-Petition for Recon filed 950823								

Non-Commercial Spectrum Availability at Salt Lake City

No channel in the reserved spectrum could be substituted for channel 202A at Salt Lake City that would provide at least equivalent service to that provided by the existing KCPW facilities. Attached are signal contour maps illustrating the existing allocation situation in the reserved portion of the band in the Salt Lake City area. Taken with the following discussion, these clearly demonstrate that no non-commercial channel could be substituted for channel 202A at Salt Lake City.

Channels 218-220

Operation on channels 218 through 220 is restricted by the operation of KUFR, Channel 219A at Salt Lake City, UT. The attached map labeled "CHANS 218-220" shows the extent of the KUFR co-channel and first channel adjacent interfering contours along with the present KCPW protected contour. Most of the existing KPCW service area overlaps the first adjacent interfering contour and all of the existing protected contour overlaps the co-channel interfering contour, thus precluding operation on channels 218 through 220.

Channels 213-217

Operation on channels 213 through 217 is restricted by the operation of KRCL, Channel 215C at Salt Lake City, UT. The attached map labeled "CHANS 213-217" shows the extent of the KRCL second channel adjacent interfering contour along with the present KCPW protected contour. All of the existing protected contour overlaps the KRCL second channel adjacent interfering contour, and by extension, the co-channel and first channel adjacent interfering contours, thus precluding operation on channels 213 through 217.

Channels 209-213

Operation on channels 209 through 213 is restricted by the operation of KUER, Channel 211C at Salt Lake City, UT. The attached map labeled "CHANS 209-213" shows the extent of the KUER second channel adjacent interfering contour along with the present KCPW protected contour. All of the existing protected contour overlaps the KUER second channel adjacent interfering contour, and by extension,

the co-channel and first channel adjacent interfering contours, thus precluding operation on channels 209 through 213.

Channels 204-208

Operation on channels 204 through 208 is restricted by the operation of KBYU, Channel 206C at Provo, UT. The attached map labeled "CHANS 204-208" shows the extent of the KBYU second channel adjacent interfering contour along with the present KCPW protected contour. All of the existing protected contour overlaps the KBYU second channel adjacent interfering contour, and by extension, the co-channel and first channel adjacent interfering contours, thus precluding operation on channels 204 through 208.

Channel 203

Operation on channel 203 is restricted by the operation of KBYU, Channel 206C at Provo, UT. The map labeled "CHAN 203" shows the extent of the KBYU protected contour and its third channel adjacent interfering contour, as well as the present protected contour of KCPW. A small portion of the present KCPW protected contour overlaps the KBYU third channel adjacent interfering contour. This area could not be included in the service contour for any proposed operation on channel 203. Because of the geographical relationship of the KBYU interfering contour to the existing KCPW service area, any operation on channel 203 that proposed to provide a 60 dBμ or greater signal over the current KCPW service area would have to be located outside of the KBYU protected contour to the east northeast of KBYU. Immediately to the east the present KCPW transmitter site and within the KBYU protected contour are the Wasatch Mountains. This extensive mountain range is 1,500 to 2,000 meters above the present KCPW service area. Thus any transmitter site for operation on channel 203 which meets the requirement that it be outside of the KBYU protected contour, will be severely shadowed by the Wasatch Mountains and be unable to render service to the existing KCPW service area.

Channel 201

Operation on channel 201 is restricted by a construction permit for KWCR, channel 201A, Ogden, UT, and an application for KCPI, channel 201A, Pleasant Grove, UT. The attached map labeled "CHAN 201" shows the extent of the KWCR and KCPI co-channel interfering contours along with the present KCPW protected contour. Most of the existing KPCW service area overlaps these co-channel interfering contours, thus precluding operation on channel 201.

Facilities Improvements

A grant of this Petition for Rule Making will allow CWPC to significantly upgrade the facilities of all three of its stations. Attached are maps showing the relationship between the 60 dBμ coverage contours of the existing facilities and possible upgraded facilities.

The contour shown for upgraded facilities at KCPW is that which would be produced by operation with 6 kilowatts ERP at 100 meters HAAT at the location specified in the *instant* petition.

The contours for upgraded facilities shown for KCUA and KPCW are those produced by operation at the maximum facilities which meet the separation and prohibited contour overlap criteria spelled out in the Commission's Rules and Regulations. The proposed transmitter locations are at a developed site to which the petitioner has secured rights.

KPCW would be limited to Class A facilities by separation requirements to KTLE, Channel 221A, Tooele, UT. However it can upgrade its facilities from minimum Class A facilities, 0.105 kilowatts at 3 meters HAAT, to maximum Class A facilities, 0.12 kilowatts at 647 meters HAAT.

KCUA can upgrade from minimum Class A facilities, 0.11 kilowatts at *minus* 313 meters HAAT, to near maximum Class C3 facilities with 0.4 kilowatts at 647 meters HAAT.

In each case, not only is the proposed service area considerably larger than the present service area, the present service areas are entirely encompassed by the respective proposed service areas, thus assuring no loss of existing service.

I, Gray Frierson Haertig, hereby affirm that:

I have been retained by Community Wireless of Park City, Inc. to prepare this engineering report and exhibits supporting a Petition for Rule Making;

This report has been personally prepared by myself;

All statements, not otherwise attributed, made herein are true to the best of my knowledge and reflect the actual facts of the matter;

I am principle of Gray Frierson Haertig & Assoc., a broadcast technical firm specializing in the needs of public radio;

I am a broadcast engineer of 30 years experience;

And my credentials are a matter of record with the Federal Communications Commission.

Respectfully submitted this 24th day of May, 1996,

Gray Frierson Haertig

CHANNEL 223A COVERAGE EXHIBIT

– GRAY FRIERSON HAERTIG & ASSOC. –
TELECOMMUNICATIONS ENGINEERING

PROPOSED 70 DBμ SERVICE CONTOUR

Prepared for

COMMUNITY WIRELESS OF PARK CITY, INC.

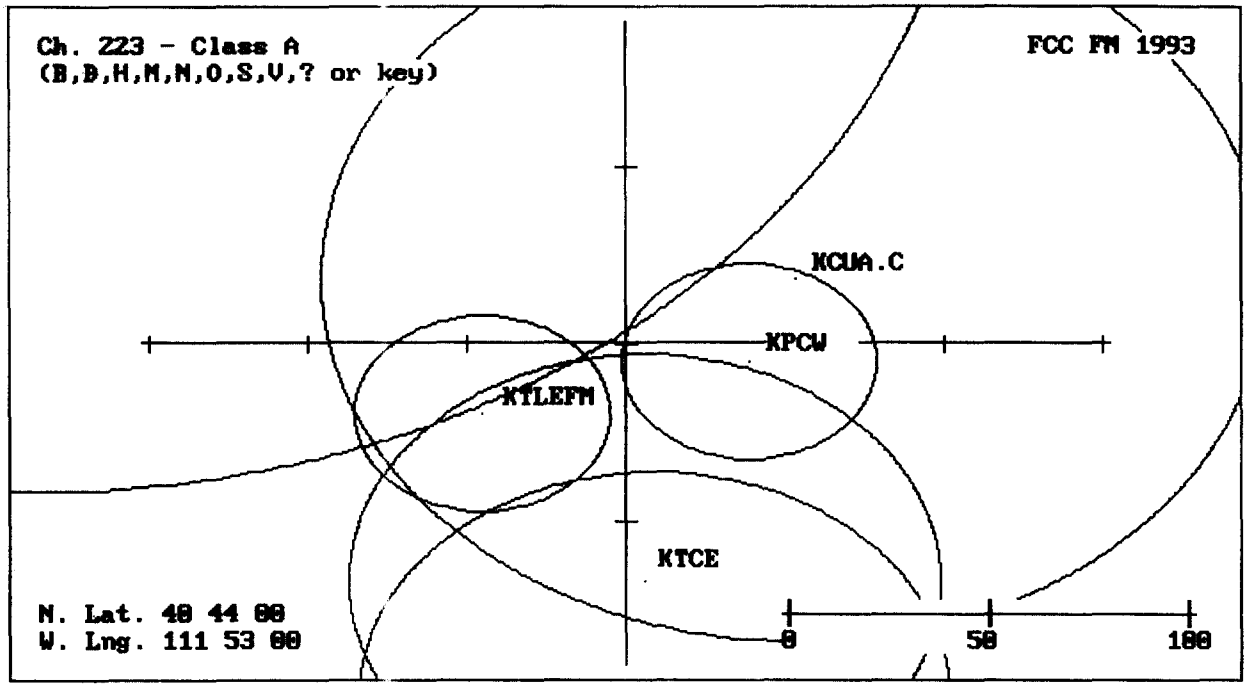
21 May 1996

TELECOMMUNICATIONS ENGINEERING
GRAY FRIERSON HAERTIG & ASSOC.
820 NORTH RIVER STREET, SUITE 100
PORTLAND, OREGON 97227

AVAILABILITY OF CHANNELL 223 AT SALT LAKE CITY, UT

– GRAY FRIERSON HAERTIG & ASSOC. –
TELECOMMUNICATIONS ENGINEERING

GRAY FRIERSON HAERTIG - CONSULTANT
17714A S.E. ADDIE - MILWAUKIE OR 97267



Community Wireless of Park City, Inc.
Channel 223, Salt Lake City, UT

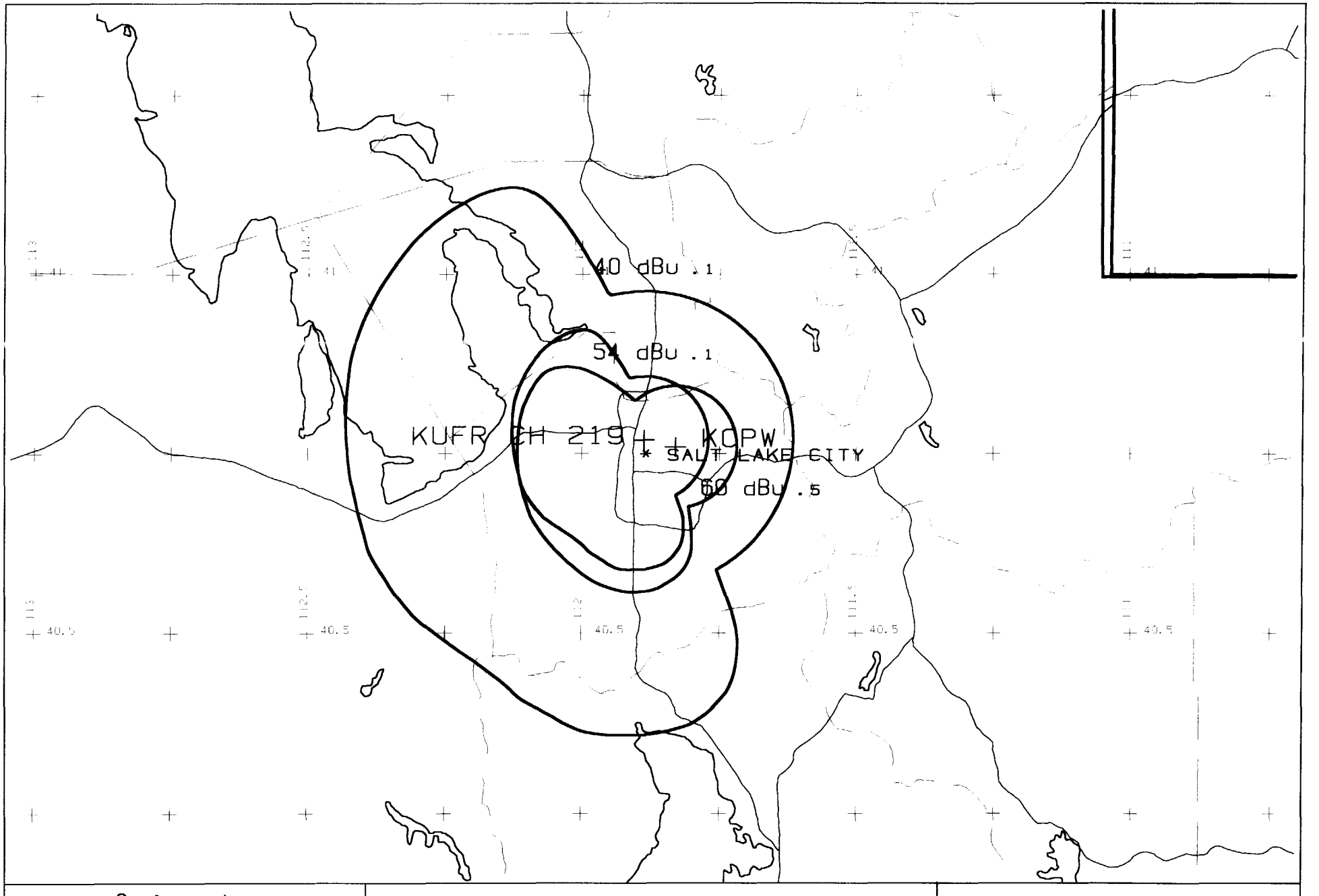
REFERENCE
40 44 00 N
111 53 00 W

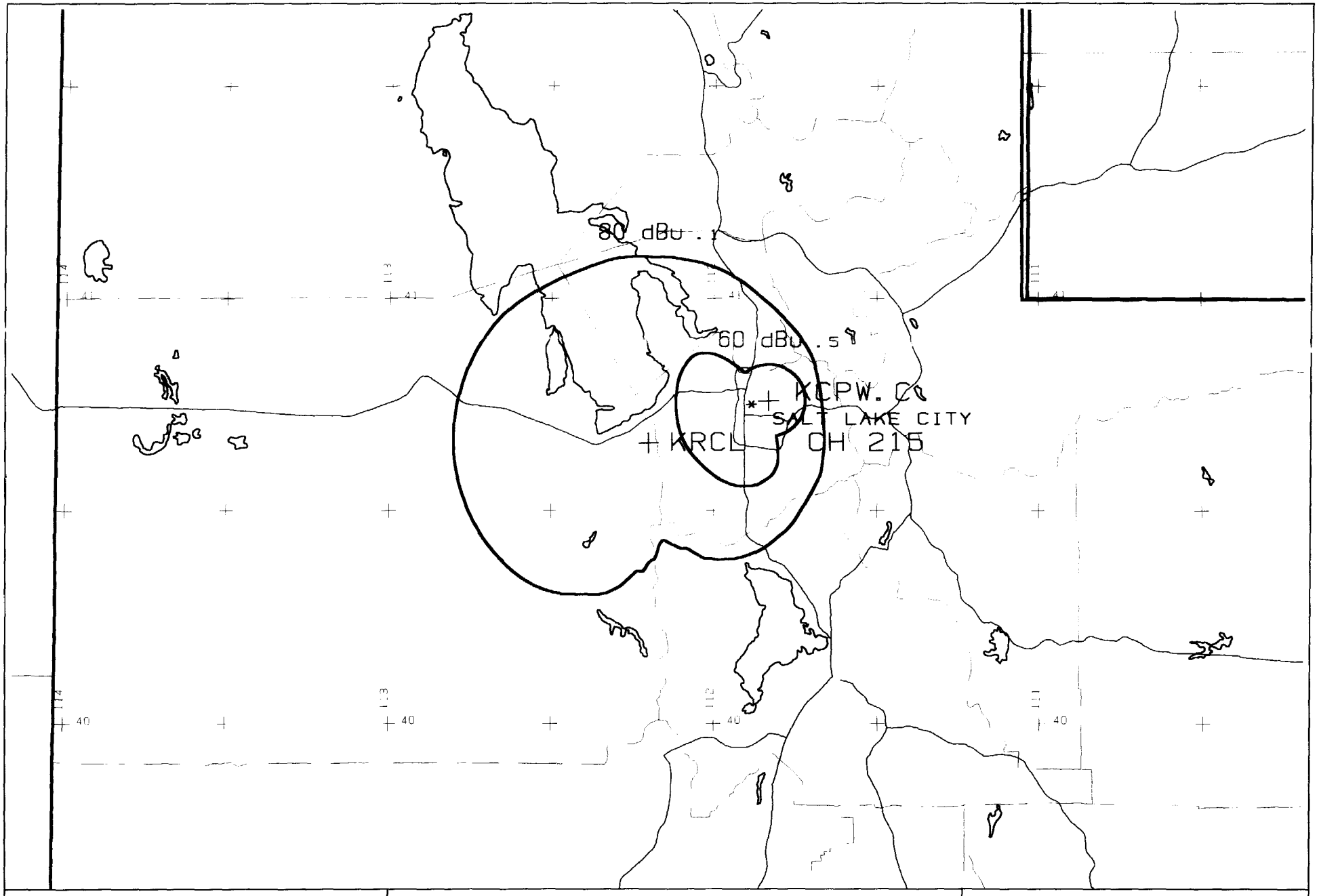
CLASS A
Current rules spacings
CHANNEL 223 - 92.5 MHz

DISPLAY DATES
DATA 06-27-94
SEARCH 05-30-96

CALL	CH#	CITY	STATE	BEAR'	D-KM	R-KM	MARGIN	
KCUA.C	223A	Coalville	UT	63.7	45.84	115.0	-69.16	*
KPCW	220A	Park City	UT	100.4	31.02	31.0	0.02	<
KKMV.C	223C	Rupert	ID	321.1	228.51	226.0	2.51	<
KTCE	222A	Payson	UT	176.5	75.40	72.0	3.40	
KTLEFM	221A	Tooele	UT	237.3	41.63	31.0	10.63	
KYKNFM	224A	Nephi	UT	176.5	113.28	72.0	41.28	

NON-COMMERCIAL SPECTRUM AVAILABILITY EXHIBITS


40 dBu .1
54 dBu .1
KUFR CH 219
KOPW
* SALT LAKE CITY
60 dBu .5
40.5
Scale in km
0 10 20 30 40 50
KUFR BLED891222KB 219A .22kW
N. Lat. 40 46 09 W. Lng. 111 53 12
CHANS 218-220
G.F. HAERTIG - 05/96


80 dBu .1
60 dBu .5
KCPW. C
SALT LAKE CITY
KRCL CH 215
Scale in km
0 10 20 30 40 50 60 70 80 90
KRCL BLED791109AC 215C 16.5kW
N. Lat. 40 39 35 W. Lng. 112 12 05
CHANS 213-217
G.F. HAERTIG - 05/96